Focus Area 16: Maternal, Infant, and Child Health

Objective 16-9a targets the reduction in primary Cesarean deliveries among lowrisk females giving birth for the first time (full-term, singleton, vertex presentation) to a rate of 15.0 per 100 low-risk, first-time births (15.0 percent).

A total of 39,100 primary Cesarean deliveries among low-risk females giving birth for the first time were reported in 2000, at a rate of 22.6 percent based on data extracted from the Birth Statistical Master Files (Figure 16-9a, Table 16-9a). A total of 40,970 primary Cesarean deliveries among low-risk females giving birth for the first time were reported at a rate of 23.9 percent in 2001, 43,332 in 2002 at a rate of 25.2 percent, and 45,974 in 2003 at a rate of 26.1 percent. California's primary Cesarean delivery rates among low-risk females giving birth for the first time are significantly higher than the HP2010 objective, and are increasing away from the target.

Data by race-ethnicity show that the highest primary Cesarean delivery rates among low-risk females giving birth for the first time were found for African Americans/ Blacks (24.3 percent in 2000, 26.5 percent in 2001, 27.7 percent in 2002, and 28.5 percent in 2003), followed by Asians (23.3 percent in 2000, 24.8 in 2001, 26.3 in 2002, and 27.2 in 2003), Whites (23.7 percent in 2000, 24.8 in 2001, 26.3 in 2002, and 27.1 in 2003), and American Indians/Alaska Natives (21.0 percent in 2000, 25.1 in 2001, 25.2 in 2002, and 26.4 in 2003). This HP2010 objective is not being achieved for females of any racial or ethnic group, and rates are increasing away from the target.

Examined by age, primary Cesarean delivery rates among low-risk females giving birth for the first time were highest for those aged 35 years and over (38.0 percent in 2000, 39.7 percent in 2001, 41.7 percent in 2002, and 41.9 percent in 2003). The HP2010 objective of 15.0 percent was only being achieved for the under 15 age group, but in 2003 their rate increased to 16.5 percent. This HP2010 objective is not being achieved for females in any age group as of 2003.

For more information on Cesarean births and maternal risk in California, visit the Maternal and Child Health Branch Web site at:

http://www.mch.dhs.ca.gov/

For more information on Healthy People 2010 objective 16-9a please visit:

http://www.healthypeople.gov/Document/HTML/Volume2/16MICH.htm# Toc494699661

and

http://www.healthypeople.gov/Document/html/tracking/od16.htm#obstetcare

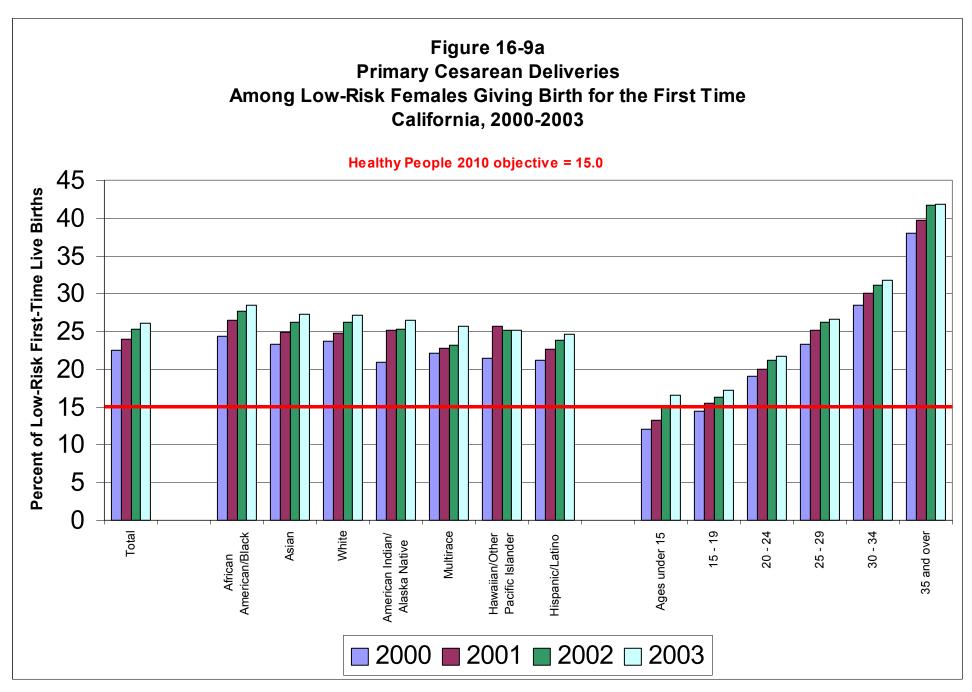


Table 16-9a
Primary Cesarean Deliveries Among Low-Risk Females Giving Birth for the First Time California, 2000-2003

2000					2001					
Primary	Low-Risk		Lower	Upper	Primary	Low-Risk		Lower	Upper	
C-Sec ¹	Births ²	Rate ³	C.I.	C.I.	C-Sec ¹	Births ²	Rate ³	C.I.	C.I.	
		15.0					15.0			
		10.0					10.0			
39,100	173,366	22.6	22.4	22.8	40,970	171,143	23.9	23.7	24.1	
2,180	8,962	24.3	23.4	25.2	2,287	8,621	26.5	25.6	27.5	
109	520	21.0	17.5	24.5	133	529	25.1	21.4	28.8	
5,561	23,890	23.3	22.7	23.8	5,848	23,541	24.8	24.3	25.4	
r 135	629	21.5	18.3	24.7	156	609	25.6	22.1	29.1	
16,012	75,545	21.2	20.9	21.5	17,234	75,932	22.7	22.4	23.0	
14,301	60,243	23.7	23.4	24.1	14,454	58,268	24.8	24.5	25.2	
532	2,411	22.1	20.4	23.7	566	2,491	22.7	21.1	24.4	
72	598	12.0	9.4	14.6	76	577	13.2	10.4	15.9	
5,193	35,926	14.5	14.1	14.8	5,326	34,498	15.4	15.1	15.8	
9,236	48,318	19.1	18.8	19.5	9,735	48,591	20.0	19.7	20.4	
9,545	40,945	23.3	22.9	23.7	10,049	39,971	25.1	24.7	25.6	
8,972	31,581	28.4	27.9	28.9	9,514	31,713	30.0	29.5	30.5	
6,082	15,998	38.0	37.3	38.8	6,270	15,793	39.7	38.9	40.5	
	39,100 2,180 109 5,561 135 16,012 14,301 532 72 5,193 9,236 9,545 8,972	Primary C-Sec ¹ Births ² 39,100 173,366 2,180 8,962 109 520 5,561 23,890 135 629 16,012 75,545 14,301 60,243 532 2,411 72 598 5,193 35,926 9,236 48,318 9,545 40,945 8,972 31,581	Primary Low-Risk C-Sec ¹ Births ² Rate ³ 15.0 39,100 173,366 22.6 2,180 8,962 24.3 109 520 21.0 5,561 23,890 23.3 135 629 21.5 16,012 75,545 21.2 14,301 60,243 23.7 532 2,411 22.1 72 598 12.0 5,193 35,926 14.5 9,236 48,318 19.1 9,545 40,945 23.3 8,972 31,581 28.4	Primary Low-Risk C-Sec ¹ Births ² Rate ³ C.I. 39,100	Primary C-Sec ¹ Low-Risk Births ² Rate ³ Lower C.I. Upper C.I. 39,100 173,366 22.6 22.4 22.8 2,180 8,962 24.3 23.4 25.2 109 520 21.0 17.5 24.5 5,561 23,890 23.3 22.7 23.8 135 629 21.5 18.3 24.7 16,012 75,545 21.2 20.9 21.5 14,301 60,243 23.7 23.4 24.1 532 2,411 22.1 20.4 23.7 72 598 12.0 9.4 14.6 5,193 35,926 14.5 14.1 14.8 9,236 48,318 19.1 18.8 19.5 9,545 40,945 23.3 22.9 23.7 8,972 31,581 28.4 27.9 28.9	Primary C-Sec ¹ Low-Risk Births ² Rate ³ Lower Upper C.I. Primary C-Sec ¹ 39,100 173,366 22.6 22.4 22.8 40,970 2,180 8,962 24.3 23.4 25.2 2,287 109 520 21.0 17.5 24.5 133 5,561 23,890 23.3 22.7 23.8 5,848 135 629 21.5 18.3 24.7 156 16,012 75,545 21.2 20.9 21.5 17,234 14,301 60,243 23.7 23.4 24.1 14,454 532 2,411 22.1 20.4 23.7 566 72 598 12.0 9.4 14.6 76 5,193 35,926 14.5 14.1 14.8 5,326 9,236 48,318 19.1 18.8 19.5 9,735 9,545 40,945 23.3 22.9 23.7 10,049 8,9	Primary C-Sec ¹ Low-Risk Births ² Lower C.I. Upper C.I. Primary C-Sec ¹ Low-Risk Births ² 39,100 173,366 22.6 22.4 22.8 40,970 171,143 2,180 8,962 24.3 23.4 25.2 2,287 8,621 109 520 21.0 17.5 24.5 133 529 5,561 23,890 23.3 22.7 23.8 5,848 23,541 135 629 21.5 18.3 24.7 156 609 16,012 75,545 21.2 20.9 21.5 17,234 75,932 14,301 60,243 23.7 23.4 24.1 14,454 58,268 532 2,411 22.1 20.4 23.7 566 2,491 72 598 12.0 9.4 14.6 76 577 5,193 35,926 14.5 14.1 14.8 5,326 34,498 9,236 48,318	Primary C-Sec ¹ Low-Risk Births ² Rate ³ Lower Upper C.I. Primary C-Sec ¹ Low-Risk Births ² Rate ³ 15.0 15.0 15.0 15.0 15.0 39,100 173,366 22.6 22.4 22.8 40,970 171,143 23.9 2,180 8,962 24.3 23.4 25.2 2,287 8,621 26.5 109 520 21.0 17.5 24.5 133 529 25.1 5,561 23,890 23.3 22.7 23.8 5,848 23,541 24.8 135 629 21.5 18.3 24.7 156 609 25.6 16,012 75,545 21.2 20.9 21.5 17,234 75,932 22.7 14,301 60,243 23.7 23.4 24.1 14,454 58,268 24.8 532 2,411 22.1 20.4 23.7 566 2,491 22.7 72 598 12.0	Primary C-Sec ¹ Low-Risk Births ² Rate ³ Lower C.I. Primary C-Sec ¹ Low-Risk Births ² Rate ³ Lower C.I. 15.0 39,100 173,366 22.6 22.4 22.8 40,970 171,143 23.9 23.7 2,180 8,962 24.3 23.4 25.2 2,287 8,621 26.5 25.6 109 520 21.0 17.5 24.5 133 529 25.1 21.4 5,561 23,890 23.3 22.7 23.8 5,848 23,541 24.8 24.3 135 629 21.5 18.3 24.7 156 609 25.6 22.1 16,012 75,545 21.2 20.9 21.5 17,234 75,932 22.7 22.4 14,301 60,243 23.7 23.4 24.1 14,454 58,268 24.8 24.5 5,193 35,926 14.5 14.1 14.8 5,326 34,498	

Table 16-9a, continued
Primary Cesarean Deliveries Among Low-Risk Females Giving Birth for the First Time
California, 2000-2003

Primary C-Section Births*	2002					2003					
	Primary	Low-Risk		Lower	Upper	Primary	Low-Risk		Lower	Upper	
	C-Sec1	Births2	Rate3	C.I.	C.I.	C-Sec1	Births2	Rate3	C.I.	C.I.	
Healthy People 2010 Target			15.0					15.0			
CALIFORNIA TOTAL	43,332	171,682	25.2	25.0	25.4	45,974	176,438	26.1	25.9	26.3	
Race-Ethnicity of Mother											
African American/Black	2,320	8,379	27.7	26.7	28.6	2,383	8,373	28.5		29.4	
American Indian/Alaska Native	132	523	25.2	21.5	29.0	146	552	26.4	22.8	30.1	
Asian	6,317	24,048	26.3	25.7	26.8	6,806	25,015	27.2	26.7	27.8	
Hawaiian/Other Pacific Islander	163	648	25.2	21.8	28.5	156	619	25.2	21.8	28.6	
Hispanic/Latino	18,124	75,897	23.9	23.6	24.2	18,963	77,012	24.6	24.3	24.9	
White	15,266	58,135	26.3	25.9	26.6	16,265	60,056	27.1	26.7	27.4	
Multirace	610	2,629	23.2	21.6	24.8	714	2,776	25.7	24.1	27.3	
Maternal Age Group											
Under 15	76	506	15.0		18.1	82		16.5		19.8	
15 - 19	5,337	32,828	16.3		16.7	5,530	32,249	17.1	16.7	17.6	
20 - 24	10,391	49,060	21.2	20.8	21.5	10,755	49,406	21.8	21.4	22.1	
25 - 29	10,556	40,233	26.2	25.8	26.7	11,081	41,611	26.6	26.2	27.1	
30 - 34	10,165	32,738	31.0	30.5	31.6	11,024	34,760	31.7	31.2	32.2	
35 and over	6,807	16,317	41.7	41.0	42.5	7,502	17,916	41.9	41.2	42.6	

SOURCE: California Department of Health Services, Center for Health Statistics, Birth Statistical Master Files, 2000-2003.

NOTES: ¹ Primary Cesarean sections among California females giving birth for the first time and having "low-risk" (full-term, singleton, vertex presentation) births.

California Departmentate peanth colonerisk first-time live births (percent).

² Live births among California females giving birth for the first time and having "low-risk" (full term, singleton, vertex presentation) births.